

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

MAY 17 2001

ATTY DOCKET NO.  
13020-2-DIV

SERIAL NO.  
09/846,863

FILING  
May 1, 2001

GROUP  
1634  
1655 (from parent)

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BZL	4,582,788	04/15/86	Erlich			
	4,683,194	07/28/87	Saiki et al.			
	4,683,195	07/28/87	Mullis et al.			
	5,175,082	12/29/92	Jeffreys			
	4,683,202	07/28/87	Mullis			
	5,234,811	08/10/93	Beutler			
	5,266,459	11/30/93	Beutler			
	5,429,923	07/04/95	Seidman et al.			
	5,200,314	04/06/93	Urdea			
BZL	5,851,762	12/22/98	Simons			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BZL	EP 0050424	04/28/82	EP				
	EP 0084796	08/03/83	EP				
	EP 0201184	12/17/86	EP				
	EP 0237362	09/16/87	EP				
BZL	EP 0258017	03/02/88	EP				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

BZL	Chinault et al., Overlap hybridization screening: Isolation and characterization of overlapping DNA fragments surrounding the leu2 gene on yeast chromosome III, Gene, 5:111-126 (1979).
BZL	Clarke et al., Isolation of a yeast centromere and construction of functional small circular chromosomes, Nature 287:504-509 (1980).

EXAMINER  
B. Z. Simon

DATE CONSIDERED  
7-13-03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**U.S. PATENT DOCUMENTS**

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
B&S		EP 0370719	05/03/90	EP				
		UK 2135774	09/05/84	UK				
		WO 91/14003	09/19/91	WIPO				
		WO 92/15712	09/17/92	WIPO				
B&S		WO 91/02087	02/21/91	WIPO				X

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

B1f		Skolnick et al., Strategies for detecting and characterizing restriction fragment length polymorphisms (RFLPs), Cell Genet 32:58-67 (1982).
B1d		Mullis et al., Specific enzymatic amplification of DNA in vitro: The Polymerase Chain Reaction, Cold Spring Harbor Symposia on Quantitative Biology, Vol. LI pp. 263-273 (1986).

BZ Lison

7-13-'03

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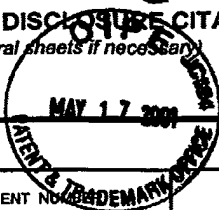
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**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BAL	WO 90/09455	08/23/90	WIPO				
	WO 92/16657	10/01/92	WIPO				
	EP 246864	11/25/87	EP				
BAL	WO 90/01069	02/08/90	WIPO				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

BAL	Jeffreys, A.J. et al., DNA "Fingerprints" and Segregation Analysis of Multiple Markers in Human Pedigrees, Amer. J. Hum. Genet., 39:11-24 (1986).
	Jeffreys, A.J. et al., Individual-specific fingerprints of human DNA, Nature, 316:76-79 (1985).
BAL	

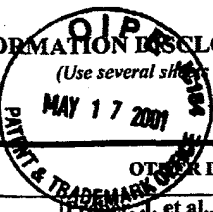
EXAMINER B. L. Lison DATE CONSIDERED 7-13-03

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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional)	Application Number
		13020-2-DFV	09/846,863
<b>PATENT &amp; TRADEMARKS</b> <b>MAY 17 2001</b>		Applicant(s)	
		Goel et al.	
		Filing Date	Group Art Unit
		May 1, 2001	1655 1634
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
BZA	Gray, J. et al., Evolutionary transience of hypervariable minisatellites in man and the primates, <i>Proc. R. Soc. Lond.</i> , 243:241-253 (1991).		
	Moore, S.S. et al., The Conservation of Dinucleotide Microsatellites among Mammalian Genomes Allows the Use of Heterologous PCR Primer Pairs in Closely Related Species, <i>Genomics</i> , 10:654-660 (1991).		
	Jeffreys, A.J. et al., DNA fingerprints of dogs and cats, <i>Anim. Genet.</i> , 18:1-15 (1987).		
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	Hillel, J. et al., DNA Fingerprints Applied to Gene Introgression in Breeding Programs, <i>Genet.</i> , 124:783-789 (1990).		
	Salik, R. et al., A Novel Method for the Detection of Polymorphic Restriction Sites by Cleavage of Oligonucleotide Probes: Application to Sickle-Cell Anemia, <i>Biotechnology</i> , 3:1008-1012 (1985).		
	Rudolph, J. et al., Linkage of hyperkalaemic periodic paralysis in Quarter horses to the horse adult skeletal muscle sodium channel gene, <i>Anim. Genet.</i> , 23:241-250 (1992).		
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	Frohman, M. et al., Rapid production of full-length cDNAs from rare transcripts: amplification using a single gene-specific oligonucleotide primer, <i>Proc. Natl. Acad. Sci. USA</i> , 85:8998-9002 (1988).		
	Mullis, K., The Unusual Origin of the Polymerase Chain Reaction, <i>Scientific American</i> , April:56-66 (1990).		
	Mitsubashi, M. et al., Gene manipulation on plastic plates, <i>Nature</i> , 357:519-520 (1992).		
EXAMINER	DATE CONSIDERED		
B. L. Lison	7-13-03		

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**INFORMATION DISCLOSURE CITATION**  
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Docket Number (Optional) <b>13020-2-DIV</b>	Application Number <b>09/846,863</b>
Applicant(s) <b>Goelet et al.</b>	
Filing Date <b>May 1, 2001</b>	Group Art Unit <b>1634</b> <b>1655 (from parent)</b>

*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
9348	Frederick, J. et al., A System for Rapid DNA Sequencing with Fluorescent Chain-Terminating Dideoxynucleotides, Science, 238:336-340 (1987).
	Kim, C.H. et al., Genomic Variation and Segregation of Equine Infectious Anemia Virus during Acute Infection, J. Virol., 66:3879-3882 (1992).
	Biswas, B. et al., Gene Amplification by Polymerase Chain Reaction for Detection of Ehrlichia risticii DNA in Potomac Horse Fever, Annals NY Acad. Sci., 590:582-583 (1990).
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B7F	Lander, S. et al., Mapping Mendelian Factors Underlying Quantitative Traits Using RFLP Linkage Maps, Genetics, 121:185-199 (1989).
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EXAMINER <b>B. J. Luison</b>	DATE CONSIDERED <b>7-13-03</b>
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Docket Number (Optional)

13020-2-DIV

Application Number

09/846,863

Applicant(s)

Goelet et al.

Filing Date

May 1, 2001

Group Art Unit

1634  
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\*EXAMINER

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Reese et al., "Application of the polymerase chain reaction to the diagnosis of human genetic disease", Human Genetics, Vol. 85, No. 1, p.1-8 (1990).

Botstein, David et al., "Construction of a Genetic Linkage Map in Man Using Restriction Fragment Length Polymorphisms", Am J Hum Genet. 32:314-331 (1980).

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Blum et al., "Molecular mechanism of slow acetylation of drugs and carcinogens in humans", Proc. Natl. Acad. Sci., 88:p.5237-5241 (1991).

Weissenbach, Jean, "A Second Generation Linkage Map of the Human Genome Based on Highly Informative Microsatellite Loci," Gene, 135:275-278 (1993).

Weissenbach, Jean, "Microsatellite Polymorphisms and the Genetic Linkage Map of the Human Genome," Curr. Opin. Genet. Dev., 3:414-417 (1993).

Hearne, Catherine M. et al., "Microsatellites for Linkage Analysis of Genetic Traits," Trends Genet., 8:288-294 (August 1992).

EXAMINER

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Sheet 1

Form PTOL 449 (Rev. 10-92) [modified] <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(use several sheets if necessary)</i>	Docket No.: 13020-2 (DIV1)	Application No.: 09/846,863
	Applicants: Goelet et al.	
	Filing Date: 1 May 2001	Group Art Unit: 1655 <i>1634</i>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
												YES	NO
	0	1	2	3	5	1	3	10/31/84	EP				
	8	9	1	0	9	7	7	11/16/89	WO				
	9	2	1	0	5	8	9	06/25/92	WO				

**OTHER DOCUMENTS**  
(including Author, Title, Date, Pertinent Pages, Etc.)**RECEIVED**

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